

Docket No.: 055071-0351

<u>PATENT</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277

Robert SOCHA : Confirmation Number: 3814

Application No.: 10/813,626 : Group Art Unit: 1756

Filed: March 31, 2004 : Examiner: Unknown

For: SOURCE AND MASK OPTIMIZATION

INFORMATION DISCLOSURE STATEMENT

Mail Stop IDS Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

10/813,626

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

Michael E. Fogarty

Registration No. 36,139

600 13th Street, N.W. Washington, DC 20005-3096 Phone: 202.756.8000 MEF:jam

Facsimile: 202.756.8087 **Date: May 25, 2005**

Please recognize our Customer No. 20277 as our correspondence address.

NAR								SHEET	<u>1 OF 1</u>					
& JBAOINFC	CIT	AT)	ON DISCLOS ION IN AN ICATION	SURE	ATTY. DOCKET NO. 055071-0351		SERIAL NO. 10/813,626							
	1 %.				APPLICANT Robert SOCHA									
(PTO-1449)					FILING DATE March 31, 2004									
			U	.S. PATEN	T DOCUMENTS	1		•						
EXAMINER'S INITIALS	CITE NO.		Document Number ber-Kind Code2 (# known)	Publication Date MM-DD-YYYY			Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear							
		ūs	5,680,588	10-21-1997	Gortych et al.									
	1	us	5,300,786	04-05-1994	Brunner et al.									
	1	US 5,805,290 09-08-1998			Ausschnitt et a	ıl.								
		US 5,965,309 10-12-1999			Ausschnitt et a									
		US												
		US	6,033,814	03-07-2000	Burdorf et al.									
		US												
		US					_							
	ļ	US												
	ļ	US												
	ļ	US												
	ļ	US												
ļ	ļ	US				 								
	l .	03		FOREIGN PA	TENT DOCUMENTS									
EXAMINER'S Foreign Patent Document Publication Date Name of Patentee or Pages, Columns, Lines Translation									anslation					
INITIALS	CITE NO.	Country Codes -Number 4 -Kind Codes (if known)		MM-DD-YYYY			Relevant s Appear	Yes No						
			JP 2000-232057A					X						
	↓			ļ										
	 													
	 	₩				 								
ļ	<u>. </u>	L	OTHER A	RT (Including Auth	or, Title, Date, Pertinent Pages, E	tc.)		L	L					
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER'S INITIALS CITE NO. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.								θ,						
	1				ocus Forest," Jpn. J. Appl. Phys. \									
	M. DUSA et al., "Study of mask aerial images to predict CD proximity and line end shortening of resist patterns," Proc. of SPIE Vol. 4349 (2001), pp. 148-159													
				Electron Device	Shape of Image on Photoresist o s, Vol. 35, No. 3 (March 1988), pp	. 294-297		IEEE Transactions of						
	CHRISTOPHER J. PROGLER et al., "Merit functions for lithographic lens design," J. Vac. Sci. Technol. B 14(6), (Nov/Dec 1996), pp. 3714-3718													
NISHRIN KACHWALA et al., "Imaging contrast improvement for 160 nm line features using sub resolution assist features with binary, 6% ternary attenuated phase shift mask with process turned resist, "SPIE Vol. 3679 (1999), pp. 55-67									with					
	MINER		DATE CON	ISIDERED .										
L					so with MOED 600. Describes the									

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.